

Attorney's Docket No.: 07039-411US1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Russell et al.
Serial No. : 09/043,665
Filed : October 5, 1998
Title : MATERIALS AND METHODS RELATING TO THE TRANSFER OF
NUCLEIC ACID INTO QUIESCENT CELLS

Art Unit : 1632
Examiner : R. Shukla

Commissioner for Patents
Washington, DC 20231

PRELIMINARY AMENDMENT

In response to the action mailed March 13, 2002, please amend the application as follows:

In the claims:

Please cancel claims 11-21.

Please amend claims 1-2, 4, and 6-8 as follows:

SUB F1)
E1 -- 1. (Three Times Amended) A method of transforming a quiescent cell with a nucleic acid encoding a polypeptide, the method comprising:
exposing said quiescent cell in vitro to a retroviral packaging cell, said retroviral packaging cell comprising a retroviral vector and an exogenous nucleic acid encoding a growth factor, wherein said growth factor is displayed on the surface of said retroviral packaging cell, wherein said retroviral vector comprises said nucleic acid encoding said polypeptide, and wherein the surface bound growth factor induces said quiescent cell to divide, so that the nucleic acid encoding said polypeptide can incorporate into the genome of said cell.

E2 2. (Amended) The method of claim 1 wherein said quiescent cell is a hematopoietic stem cell.

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